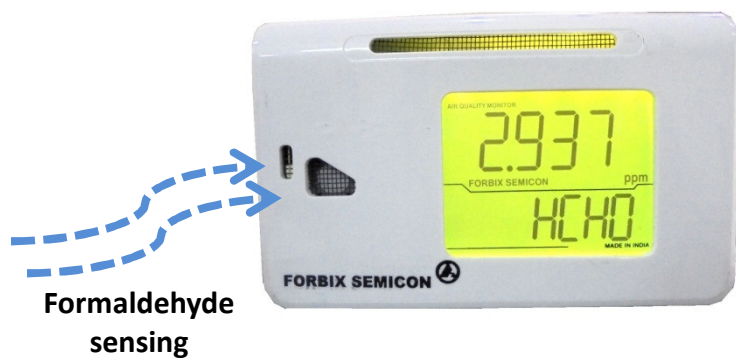


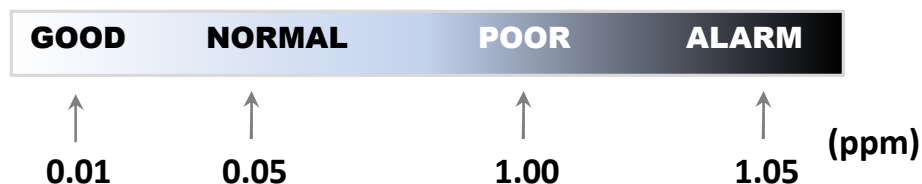
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Monitor: Formaldehyde (HCHO)

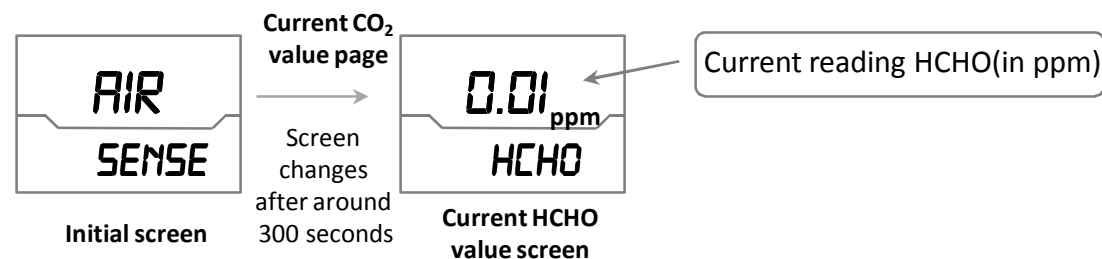


Model No. FBXFQMG

Air Quality Index HCHO



Air Quality Index	Recommended actions
Good	Breathing air quality is healthy
Normal	Air purifier is preferable. Might cause breathing troubles (like coughing, sneezing) if exposed for a prolonged duration
Poor	Not good for health. Will cause health hazard if continuously exposed under these breathing conditions
ALARM	Smoky air, not fit to breathe even for more than 10-15 minutes. Recommend to turn off the monitor in such cases



Parameters	Specifications
Target gas detection	HCHO (Formaldehyde)
Interference gas	Alcohol, CO
Warm-up time	3-5 minutes
Response Time (T90)	<60S
HCHO Detection Range	0-5 ppm
Resolution	≤ 0.1ppm
Operating range	Humidity (0-100%rh) Temperature 0°C-70°C
Accuracy	Humidity (±2%rh), max ±2%rh Temperature ±0.5°C
Resolution sensitivity	Humidity (±0.1%rh) Temperature ±0.1°C
Repeatability	Humidity ±1%rh Temperature ±0.2°C
Humidity Hysteresis	±0.3%rh
Long term stability	±0.5%rh



Displayed in bottom left corner of the screen

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Formaldehyde (HCHO) Monitor – Frequently asked questions (FAQ)

Frequently Asked Questions:

• **What is the difference between FBXFQMW and FBXFQMG models?**

Both the models are functionally the same. The background light of the LCD screen is bluish-white in FBXFQMW model and lemon-green in the FBXFQMG model

• **Can the machine be hand operated or on battery?**

The monitor operates on 12VDC power supply. We provide 220VDC to 12VDC converter adapter along with the package. User can use a 12V battery pack as well. The life of the battery would depend on the battery capacity. On an average, 4-6AH/12VDC rechargeable lead acid battery may last for 6-8 hrs. with LCD light on.

• **How do I use the machine?**

The best way to use the Formaldehyde monitor is to keep it on a table or mantelpiece. Power on the machine and allow a settling time of around 5 minutes. Ignore the 1st few readings, till the monitor stabilizes. After that the HCHO readings will start appearing on the display. Make sure not to disturb the orientation of the meter. Keeping it vertical on a table is the best way to handle it. Shaking the sensor or the monitor too often will disturb the readings

• **How do I infer from the readings?**

The monitor displays the HCHO in ppm (parts per million). Below 0.01 ppm is assumed good, between 0.01 – 0.05 ppm the CO₂ is still under breathing conditions, but it needs outdoor fresh air for better circulation. Above 1.05 ppm breathing air is rendered stale. The bar on the left side displays the quality of air. All 3 bars active means good quality of breathing air.

• **What are the values that can I expect to see in my room?**

Usually HCHO in a room should not exceed 0.05 ppm. If the meter is showing values higher than this, it is recommended to open doors and windows to allow fresh air to circulate in, till the HCHO concentration is reduced

• **Where is HCHO the sensor located in the monitor?**

The HCHO sensor is located towards the side of the monitor unit. The orifice allows environmental (ambient) HCHO to enter the sensor thereby, calculating the concentration

• **Can the unit be used for outdoors as well?**

The unit enclosure is designed for indoors. Though the machine can still be used outdoor with proper sheds and covering to avoid from direct heat/sunlight/rain etc. Ensure the sensor area is open for the environment

• **What are the precautionary measures and maintenance needed by the formaldehyde monitor?**

The HCHO monitor is designed to show indoor air matter only. When subjected to rooms full of Formalin / Formaldehyde spray, where the reading says ALARM, the monitor should be turned off.

Typically Formaldehyde is *not* poisonous. It diffuses from your cells into your bloodstream when inhaled or exposed for a longer duration

• **Is formaldehyde bad for health**

As such HCHO is not toxic and non-poisonous gas in nature for human beings. But inhaling HCHO for prolonged periods of time may lead to intoxication and effects of rising HCHO concentration in your blood and tissues may lead to nausea, headache and vomiting

Formaldehyde (HCHO) Monitor

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